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of Audubon and Bachman's great work, — an admirable one for the time but long since rendered antiquated and sadly incomplete through later increase of knowledge, — it is most fortunate that the task of preparing a new history of the subject from the abundant materials now at command has been undertaken by one so thoroughly competent for the task. In the way of unfavorable criticism we have only to add that the plates illustrating the skulls and dentition of the species described are unworthy of the accompanying text. They are referred to as an attempt at delineation by a new process, from which with further experience probably better results may be expected. While the figures are highly useful and fairly expressive, they are artistically harsh and unpleasing. We have as yet evidently no short cut to excellence in the graver's art.

In respect to typography little more could be desired: the type is large and the page open and clear, while careful revision on the part of proof-reader and author is everywhere apparent.

BOOKS AND PAMPHLETS RECEIVED. — Ninth Annual Report of the United States Geological and Geographical Survey of the Territories, embracing Colorado and Parts of Adjacent Territories; being a Report of Progress of the Exploration for Year 1875. By F. V. Hayden, United States Geologist. Conducted under the authority of the Secretary of the Interior. Washington: Government Printing Office. 1877. 8vo, pp. 827; 70 plates, 7 maps, and 67 wood-cuts.

Ethnography and Philology of the Hidatsa Indians. By Washington Matthews Assistant Surgeon United States Army. Department of the Interior, United States Geological and Geographical Survey, F. V. Hayden, United States Geologist in Charge. Miscellaneous Publications, No. 7. Washington: Government Printing Office. 1877. 8vo, pp. vi., 239.

Brehm's Thierleben. Band ii. Heft 5-7. Leipzig. 1877. New York: B. Westermann & Co. 8vo. 40 cents a Heft.

On the Brain of *Chimera Monstrosa*. By Burt G. Wilder, 1877. 8vo, pp. 32, with a plate. (From the Proceedings of the Academy of Natural Sciences.)

Pacific Coast Lepidoptera. No. 17. On the Transformations of *Colias* (*Meganostoma* Reak) *Eurydice*, Bdv. By Henry Edwards. 8vo, pp. 2. (From the Proceedings of the California Academy of Sciences, 1876.)

Pacific Coast Lepidoptera. No. 18. Description of a New Species of *Heterocampa* (Larva and Imago). By Henry Edwards. 8vo, pp. 2. (From the Proceedings of the California Academy of Sciences, October, 1876.)

Pacific Coast Lepidoptera. No. 19. Notes on a Singular Variety of the Larva of *Halesedota Agassizii* Packd. By Henry Edwards. 8vo, pp. 3. (From the Proceedings of the California Academy of Natural Sciences, November, 1876.)

Pacific Coast Lepidoptera. No. 20. Notes on the Case-Bearing Moths (*Psychidæ*), with Notices of Californian Species. By Henry Edwards. 8vo, pp. 4, with a plate. (From the Proceedings of the California Academy of Sciences, November, 1876.)

Pacific Coast Lepidoptera. No. 21. Descriptions of Two New Species of the Genus *Theda*. By Henry Edwards. 8vo, pp. 2. (From the Proceedings of the California Academy of Sciences, December, 1876.)

Pacific Coast Lepidoptera. No. 22. Notes on some Diurnal Lepidoptera, with Descriptions of New Varieties. By Henry Edwards. 8vo, pp. 11. (From the Proceedings of the California Academy of Sciences, December, 1876.)

Pacific Coast Lepidoptera. No. 23. Description of a New Species of *Catocala*,

and a List of the California Specimens of the Genus known to occur in Collections. By Henry Edwards. 8vo, pp. 2. (From the Proceedings of the California Academy of Sciences, January, 1877.)

A Partial Synopsis of the Fishes of Upper Georgia, with Supplementary Papers on Fishes of Tennessee, Kentucky, and Indiana. By D. S. Jordan. 8vo, pp. 70. (From the Annals of the New York Lyceum of Natural History, vol. xi.)

Fur-Bearing Animals. By Elliott Cones. 8vo, pp. 348, with 20 plates. U. S. Geological Survey of the Territories, F. V. Hayden, Geologist in Charge, Washington, 1877.

Bulletin of the U. S. National Museum. No. 7. Contributions to the Natural History of the Hawaiian Islands and Fanning Islands and Lower California. By T. H. Streets, M. D., Washington, 1877. 8vo, pp. 166.

Bulletin of the U. S. National Museum. No. 8. Index to the Names which have been applied to the Subdivisions of the Class Brachiopoda. By W. H. Dall. 8vo, pp. 82. Washington, 1877.

Bulletin of the U. S. National Museum. No. 9. Contributions to North American Ichthyology, No. 1. By D. S. Jordan. 8vo, pp. 49. Washington, 1877.

Bulletin of the U. S. Geological and Geographical Survey of the Territories. Vol. iii. No. 4. F. V. Hayden, Geologist in Charge. Washington, 1877. 8vo, pp. 116.

North American Ethnology. Vol. i. By W. H. Dall and G. Gibbs. Large 8vo, pp. 355, with maps and illustrations. U. S. Geological and Geographical Survey of the Rocky Mountain Region. J. W. Powell, Geologist in Charge. Washington, 1877.

Jahres-Bericht des Naturhistorischen Vereins von Wisconsin für das Jahr 1876-1877. Milwaukee, 1877. 8vo, pp. 16,

GENERAL NOTES.

BOTANY.¹

GENTIANA AMARELLA L. VAR. *ACUTA* (G. *ACUTA* Mx.). — While botanizing with Mr. Pringle in Smuggler's Notch, August 9th, we found a small alpine form of this gentian growing abundantly on the sides of one of the steep water-courses that descend from Mt. Mansfield. It is an interesting addition to the flora of New England, and is further indication of the richness of the Notch in boreal plants, to which attention was drawn by Mr. Pringle last year. — C. E. FAXON.

NOTES ON SOME INJURIOUS FUNGI, BY PROFESSOR W. G. FARLOW (in Bulletin of the Bussey Institution). — This article is principally devoted to an account of the mold (*Uncinula spiralis* B. and C.) which is common throughout the greater part of the United States. The ripe perithecia have been found from New England to California. The mycelium forms white patches on the leaves and grapes. The conidia which have been known for some time have generally passed for the mold common on European vines (*Oidium Tuckeri*), but it is very doubtful, in spite of their resemblance to one another, whether they are the same thing. The *Uncinula* is more injurious to the grapes than *Peronospora viticola*, as it attacks the berries as well as the leaves. The article contains a few remarks on the vegetable origin of certain

¹ Conducted by PROF. G. L. GOODALE.